# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Wednesday 15 Dec 2021 until 23:59 on Thursday 16 Dec 2021

Forecast Issued on Tuesday 14 Dec 2021 at 13:21

**Confidence:** High for mainly dry and settled conditions from Thursday. Medium for cloud amounts, becoming Low from Friday.

**Headline for Wednesday 15 Dec 2021:** Cloudy with outbreaks of rain and drizzle. Windy.

**Mountain weather hazards on Wednesday 15 Dec 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
No Likelihood

**Poor visibility**
High Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
Low Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| FOG | | | | | | | |
| Fog | Light rain | Light rain | Light rain | Light rain | Light rain | Light rain | Light rain |
| Precipitation probability | | | | | | | |
| 20% | 50% | 70% | 80% | 80% | 80% | 60% | 50% |

**Forecast for Wednesday 15 Dec 2021**

**Weather:** A cloudy and overcast day with outbreaks of rain and drizzle. It could be persistent but mostly light with just the odd heavier burst.

**Chance of cloud free mountain/hill tops above 800m:** Nil to 20%

**Visibility:** Moderate or poor, but good at times lower down, but often very poor across the summits. Extensive cloud, base around 600m.

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# Mountain Weather Forecast

**Forecast for Wednesday 15 Dec 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 30/39 SW | 28/36 SW | 27/36 SW | 28/36 SW | 25/33 SW | 20/26 SW | 15/20 SW | 14/19 SW | 16/22 SW |
| **600** | 26/36 SW | 24/33 SW | 23/31 SW | 22/31 SW | 20/28 SW | 16/22 SW | 13/17 SW | 13/18 SW | 16/22 SW |
| **300** | 12/30 SW | 11/28 SW | 9/26 SW | 10/26 SW | 9/24 SW | 6/19 SW | 5/14 SW | 5/14 SW | 7/17 SW |
| **Valley** | 12/27 SW | 10/24 SW | 8/22 SW | 10/23 SW | 9/21 SW | 7/17 SW | 5/12 SW | 6/13 SW | 8/16 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 3/-4 | 3/-4 | 3/-3 | 4/-2 | 4/-2 | 4/-1 | 4/-0 | 4/0 | 4/-0 |
| **600** | 5/-1 | 5/-1 | 5/-0 | 6/0 | 6/1 | 6/2 | 6/2 | 6/2 | 6/2 |
| **300** | 7/3 | 7/4 | 7/4 | 7/4 | 8/5 | 8/6 | 7/6 | 8/6 | 7/5 |
| **Valley** | 9/6 | 9/7 | 9/7 | 9/7 | 10/8 | 9/8 | 9/8 | 9/8 | 9/7 |
| **Freezing Level*** | 2500m | 2100m | 2200m | 2200m | 2200m | 2200m | 2100m | 2000m | 1900m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Nothing further to add.

**Forecast for Thursday 16 Dec 2021**

**Weather:** Mainly dry and rather cloudy and overcast, perhaps some patchy drizzle at times.

**Maximum wind:** Southwest 10 to 15mph

**Chance of cloud free mountain/hill tops above 800m:** Nil to 30%

**Visibility:** Mainly good lower down, but moderate to very poor at height. Extensive cloud, base 600 to 900m, perhaps lowering closer to 300m at times.

**Temperature:** **Valleys:** Plus 5 to 10 Celsius
**At 800m:** Plus 4 Celsius
**Freezing level:** Above the summits.

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Tuesday 14 December Location: Helvellyn summit at 1150. Full report: The thaw continues at all levels; it was plus 2 degrees C on the summit at midday. The snow line has now risen to c700m; however even above that height large areas of the fells are now free from snow up to and including summit level. The remaining snow is generally to be found in sheltered spots and hollows and on predominantly N and E facing aspects. Today the snowpack was mostly soft with occasional patches of harder snow and ice mainly on popular routes where it has been compacted. There are small cornices over N and E facing slopes. Although these have dramatically reduced in size over the past few days, they have also weakened so, basically, don't step on any snow close to such edges and advise those with less experience to do likewise. All the crest of Striding Edge and most of Swirral Edge, apart from near the top, are now free from snow. However there are banks of steep, unavoidable snow guarding both exits. Although only small patches, owing to their exposed locations an ice axe is strongly recommended and crampons should be carried by anyone undertaking these routes especially in descent as they are not places to slip without the means to stop yourself. Despite the milder temperatures, the summit windchill (what the temperature feels like) remains well below freezing so full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment including torch, map and compass (and the ability to use them) are all essential for anyone going out onto the high fells. Temperature: Plus 1.9C. Maximum wind speed 38.9 mph. Wind chill: minus 6.8C. Average wind speed: 27.8 mph.

Issued at: 1321 on Tue 14 Dec 2021

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